Digital VSWR (Voltage standing Wave Ratio) Meter

User's Manual

SD0809

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Getting Started

Parts Included:

- Handheld
  - ✓ Handheld enclosure with LCD
  - ✓ 9V DC adapter x1
  - ✓ Enclosure Screws x4
  - ✓ 2 sets of coaxial cable

- Dummy load
  - ✓ Enclosure
  - ✓ 1 set of coaxial cable
  - ✓ Enclosure Screws x4

Extra parts required:

- Transceiver (for testing)
- Dummy load can be replaced by antenna after testing

Front View

Back View

Top View

Side View

Inside View

Instruction and Setup:

Instructions:

- Device will work for a frequency range of 1 MHz to 144MHz.
- Device will work for all power levels available in the transceiver.
- Before you key in the input make sure that all the connections are good.
- The input DC to the device should be 9V-12V.

Setup:

- Connect the transceiver/other input device to the TX-labeled BNC connector of the device using BNC-to-SMA coaxial cable.
- Connect the antenna/ dummy load to the ANT-labeled BNC connector of the device through BNC-to-BNC coaxial cable.
- Power on your transceiver/ input device, and connect a key to it.

Settings for the transceiver/ input device:

- Set the transceiver/ input device at CW frequency range.
- Select a frequency in the range of 1MHz to 144 MHz
- Turn the transceiver/ input device to MTR-PWR-SWR mode.
- Select a power level of the input signal.

Power on the device now, it will directly give to the forward power, reverse power, net power and the VSWR directly.

Troubleshooting:

LCD does not display anything.

- Is the device on?
- Check the connections.

LCD does not display readings.

- Turn off the device and then turn it on again.
- Try changing the processor PIC16F877A
- Make sure that the transceiver/ input device and the antenna/ dummy load are connected properly to the Digital VSWR meter.
- Make sure the submersible force probe is connected to the touchpad testing device
- Check what frequency and power level you are working with.
- Make sure that you are no using old and long coaxial cable.